

# cross talk

NEWS BULLETIN OF TRW AMATEUR RADIO CLUB



Sponsored by Systems Employee Association



JANUARY 1982

FD '71  
WAS FD '73  
WAC FD '75  
FD '76

**Garrett/W6TRW 2-Meter Repeater: 145.32 Receive -- 144.72 Transmit (2A-PL)**

**TRW UHF Repeater: 447.000 Receive -- 442.000 Transmit**

## CALENDAR FOR JANUARY & FEBRUARY

Jan. 28, Noon	<b>Friday Club Meeting in R4 1041. Speaker will be Bill Rodner.</b>
Jan. 29, 8-11 am	<b>TRW/ARC Swapmeet</b>
	<b>Membership Dues are Due to Dews -- now.</b>
Feb. 8, after work	<b>Executive Board Meeting--all are welcome</b>
Feb. 25, Noon	<b>Club Meeting. Please note that this is the last FRIDAY.</b>
Feb. 26, 8-11 am	<b>Swapmeet</b>

**IMPORTANT:** Please note that club meeting schedules have been changed. This is because of schedule conflicts for the meeting room. Most meetings will be on the last Tuesday this year, with the above exceptions plus: October (the last Friday) and December (the 20th).

## SWAPMEET NEWS -- Bill Schreck, KE6LB

The December Swapmeet drew a nice crowd and the weather was pleasant (cool but sunny). Bill Rodner (K6AWS) and myself arrived at the lot at 3:15 am to see, first hand, what time the early birds really get there--as well as to back up our November notice that, in the future, the lot would not be open until 6 am. Thirty cars arrived before 6 am and parked in the buyer's lot to await our opening. It was cold sitting in our cars those three hours, but we made believers out of the early arrivers (I hope!)

Swapmeet booth operators for December were Ed Wheeler (N6AGA), Bill Dews (K6AWO), and associate member Glen Smith. The early am was chilly, and the line for coffee and donuts was long. Both stove burners were going full blast to keep up with the demand for hot water.

I should mention at this time that, after five plus years as Swapmeet Manager, I'm resigning effective following the January Swapmeet--burned out, but feeling a great deal of satisfaction that my time was well spent. I'd like to thank the members who helped me operate the Swapmeet during the past five years. They represent the 15% of our club who are willing to send one or two Saturday mornings each year to help our club run this very worthwhile event. A manager will be chosen by the 1983 club officers and executive committee in January. My parting comments are that club members who have not been providing help with the Swapmeet, but who attend it and benefit from it, should step forward and donate one Saturday morning a year to help it operate.

## WHAT MAKES AN IC WORK -- Tnx Squelch Tales, via Hughes ARC Bulletin

We have the Palomar Repeater Committee Chairman to thank for a revelation. He has discovered what makes an integrated circuit work. He says that SMOKE is the thing that makes ICs work, because every time you let the smoke out of an IC, it stops working, so it is very important to keep the smoke in an IC so that it will work. John (WB6IQS) is reported in the SCOPE as saying that he has made several tests to prove this theory--driving all the way to Mt. Palomar for his research.

## **MEETING MINUTES -- Walt Pearson, N6DZM**

General Meeting, 22 December 1982

Seventeen members attended. No speaker was scheduled due to the holidays, so a business meeting was held, with the following topics discussed.

Gary Komatsu commented on the elections--winners are to be announced next month. The calendar for 1983 is in the December 1982 Crosstalk. The club has asked SEA for \$1000 for 1983. Associate dues will be higher due to mailing costs.

Bill Rodner called for members to work at the Swapmeets in 1983. An associate group will help with the refreshment stand--sharing of receipts will result in less money for the club.

Details of the TRW UHF repeater, expected to be operational in mid-February, were discussed.

Bill Dews stated that TRW/ARC membership is the highest in history. He reminded us that payment of dues is required by February, and that the club's affiliation with the ARRL requires that 51% of the club belong to ARRL. Bill also advised that a frequency meter and other equipment is available for loan to members.

The big door prize was a 2-meter 1/4 wave antenna.

Executive Board Meeting, 11 January 1983

Attending were Bill Daley, Fred Garrett, Connie and Dave Gilmore, Gary Komatsu, Walt Pearson, Bill Rodner, and Bill Schrecengost.

Connie Gilmore reported that 57 election ballots were received. The winners will be announced at the January general meeting. The other posts will be appointed by the new president.

A motion was made and passed to accept the 1983 Calendar of Events. Notes in the Crosstalk or special announcements will confirm the dates as they approach.

Fred Garrett reported the club treasury to be in sound condition. The club has requested \$1000 from SEA for 1983, which should be available by 10 March.

An antenna party is planned to be held soon. Types and locations for the antennas were discussed.

Dave Gilmore advised that present passes for carrying 2-meter hand held transceivers into TRW buildings for emergency coordination use are good only to 31 January. Dave will contact TRW Property for renewal of the passes. More volunteers are needed for upcoming emergency drills--call Dave.

Bill Daley reported on the LAACARC meeting with the Los Angeles Olympic Organizing Committee to define LAOOC needs and requirements. Each operator needs a security clearance and special training to participate in radio control at 14 game sites. The conditions do not appear to be favorable for TRW/ARC involvement. The next meeting will be the end of February or early March. Planning is underway for the ARRL Southwestern Division Convention, set for 2-4 September at the Marriott in Anaheim.

Bill Schrecengost presented a list of Swapmeet operators. Everything went well in December as the associates took over operation of the refreshment stand. We need a Swapmeet chairman, since Bill has resigned the post. A discussion of Swapmeet operation and control of sellers followed.

Bill Rodner will be the speaker at the January General Meeting.

## **HELP FOR THE COMPUTER MINDED -- Dave Hassall, WA5DJJ**

I am presently using a Radio Shack Color Computer on RTTY/ASCII and CW. The interface is homebrew and the software is from Clay Abrams. If I can be of any help getting someone else on the air, let me know. The TRW address is LCNM (which is Las Cruces, NM).

DID YOU KNOW--that W6QIE sends 5 to 30 WPM code practice on 3590 from 8 to 9:30 every night except monday?

ARTICLES Cheerfully solicited--Articles should be typed or clearly handwritten (I cannot use discs for other computers). Classified ads will be taken over the phone. See how on page 4.

## Membership

The year just ended was a year of great progress for Amateur Radio. As radio amateurs and League members we enjoyed the first fruits of our years of WARC-79 labors, with the opening of the 10-MHz band to amateur occupancy. We got a bill through Congress, and signed into law by the President, with several provisions of great importance for the future. In response to this new law we planned for the introduction, later this year, of volunteers into the functions of monitoring the bands and preparing and administering amateur exams; this will allow Amateur Radio to move forward without being unduly hampered by FCC budget cuts.

We began to win the CATV battle, through increased awareness of the problem by the CATV industry and with a number of cable systems forced to abandon channel E and many more forced to pay closer attention to their leaky distribution lines. We continued our support for a rational approach to possible biological hazards from rf energy, and fought to stem the tide of unrealistic regulations at the local and state level. In communities throughout the country, we helped protect the right of radio amateurs to operate without unreasonable restrictions on their antenna installations and without local regulation of rf interference.

The amateur community gained expanded privileges for slow-scan television, facsimile, digital communications and beacons, thanks in large part to a spirit of mutual cooperation with an FCC staff which, though strapped for funds, was sensitive and responsive to our needs. We beat back an industry attempt to use the 160-meter band for cordless telephones. We moved a step closer to expanded U.S. phone subbands, and laid the regulatory groundwork for AMTOR, an exciting new mode of radioteletype communication.

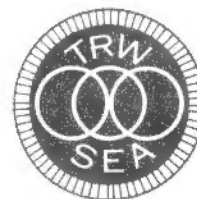
Within our national organization, League members extended a welcome to their new President and new General Manager, which gave Vic Clark and me a tremendous boost as we shouldered our new responsibilities; our thanks go to each of you for your encouragement and support. Final plans were made for the January 1, 1983, introduction of a new section-level ARRL volunteer structure, and the March 1 debut of an enhanced relationship between the League and its affiliated clubs. Further efforts were made to strengthen the League organization in Canada. An important step toward an improved International Amateur Radio Union was taken with the creation of a worldwide Administrative Council, to provide better representation and communication within our worldwide federation.

Amateur Radio accomplished a great deal in 1982, and you, the ARRL member, are responsible for the success we all have enjoyed. Take a bow! As a League supporter, you've earned it. Without you, 1982 would have been a chronicle of frustration and disappointment for radio amateurs — if there were any radio amateurs — because there would have been no

cohesive, effective national organization to fight for our interests.

As a League member, you've earned something else: You've earned the right to ask your non-member friends to help you support Amateur Radio's only strong, national voice. The \$25 annual dues rate adopted in 1981 (\$20 for those 65 and over, or 17 and under) has resulted in greater dues income, but the burden is being carried by fewer members. There is no further increase planned for 1983, as there was none in 1982; let's use the opportunity to bring our ham friends and neighbors into the League. When questioned as to why they haven't joined, some non-members say, "Because I haven't been asked." Let's make 1983 the year they're asked! Some say QST isn't worth the money to them; let's show them the League is a lot more than a magazine subscription! Others will cite some disagreement with an ARRL policy or program, perhaps in the distant past; let's convince them that we have a new, fresh, responsive organization! None of us will find ourselves in agreement with "the League" 100% of the time, but the good which comes from having an effective national organization will make most dissatisfactions seem minor by comparison if we keep our perspective.

Let's each set a personal goal for bringing new members into the League, or former members back into the fold, in the New Year. If you need some application blanks, just let us know; we'll be glad to supply them! — David Sumner, K1ZZ



# JOIN ARRL

## BENEFITS FOR YOU

QST, QSL Bureau, Awards, Low Cost Insurance, Operating Aids, Government Liaison and More—Much More!

### MEMBERSHIP APPLICATION

Name \_\_\_\_\_ Call \_\_\_\_\_  
Street \_\_\_\_\_  
City \_\_\_\_\_ Prov./State \_\_\_\_\_ PC/Zip \_\_\_\_\_

\$25 in U.S./\$30 in Canada/\$33 elsewhere (U.S. funds)

Licensed amateurs, age 17 or under or age 65 or over, upon submitting proof of age, may request the special dues rate of \$20 in the U.S. (\$25 in Canada, \$28 elsewhere, in U.S. funds)

For postal purposes, fifty percent of dues is allocated to QST, the balance for membership.



Expires \_\_\_\_\_  
Bank No. \_\_\_\_\_ Expires \_\_\_\_\_

The American Radio Relay League

225 Main St. Newington, CT. 06111 USA

## ANTENNA FARM FOR SALE

Proceeds of this sale will go to the Courage Handi-Ham System.

- Tri-ex 54' heavy-duty, free standing tower with motor drive--\$400.
- Telrex 20M436 full-sized four element 20 meter beam--\$75.
- HyGain TH4 four element beam, 10-20 meters, \$75,
- ASP-7 2 meter groundplane, no price specified.
- HyGain heavy duty rotor with box, \$75.
- HyGain 18HT 10-80 meter tower/vertical, \$100.

For more information, call Norm Stockwell at x62984 or 374-1535.

## NOTES HERE AND THERE

WELCOME TO THE CLUB!--Dave Burdett (WB6DVH), Jim Ickes (N6GEA), Tony Helbling, Jr. (W6IRG), Tony Helbling (KA6TNI), Frank Bartell (W1YWB), and Maddy Bartell (KA6TML).

AMATEUR RADIO CALENDARS--Lockheed E.R.C. Amateru Radio Club, (W6LS), has some 13.5 by 19.5" red, white, and blue wall calendars for sale, emblazoned with the words "AMATEUR RADIO." They are charging \$2.50 each. Send checks and a mailing label for each calendar to them at 2814 Empire Avenue, Burbank, CA 91504.

MISSING CALLBOOK--Would the person who removed the 1982 U.S. Callbook from the club station please return it? Callbooks are not to leave the station area. We buy a new one each year so that all may enjoy, but usually raffle of the old one as a door prize.

CLUB LOAN EQUIPMENT--can be obtained from Bill Dews, x53392.

ANYONE INTO COMPUTERS?--Do we have any Hams who are ASCII, RTTY, or computer nuts in the club who could help some computer hams out? Maybe you could phone me or drop a line and let me know how to get in contact with you so I can pass the information on to the people who need the help. Bill Dews, x53392.

CLUB BADGES--You get a free door prize ticket if you wear your TRW/ARC badge to club meetings. If you don't have one with your current call on it, drop Bill Dews a check for \$2.00, along with your name and call. Wear them at Swapmeets and picnics too.

PERSONALIZED CLUB QSL CARDS--Hawthorne Typesetting Co., 4736 West El Segundo Blvd., Hawthorne, CA 90250. Phone: (213) 679-8677. \$22.00 for 100, plus \$4.00 for each additional 100 cards. Five or more orders (with different calls etc.) are \$18 per 100 (with the \$4.00 each extra hundred of the same card). Allow one week for delivery.

## TIDBITS FROM THE W5YI REPORT

Did you know that, according to FAA rules, you cannot operate--or even listen to--your handi-talkie on a commercial airplane? Not even the pilot can give you permission! As a matter of fact, the only electronic devices you can operate on a "regularly scheduled" flight are tape recorders, hearing aids, pacemakers, and electric shavers--which means you also cannot use a portable FM commercial receiver. Permission can only come from the airline, after it has tested your rig to see whether it will interfere with aircraft systems.

The FCC in Norfolk, VA, sent a citation to an individual who was offering a Lafayette CB linear for sale at a hamfest, warning him of the penalties and prohibitions. He was directed to advise how he disposed of the 27-MHz linear. The citation was answered only with three 8x10 photographs. The first showed the fellow with a sledge hammer, the second showed the hammer smashing into the linear, the third showed a closeup of the linear in shambles. FCC's Jerry Freeman said he was satisfied with the disposition and novel response!

Congress finally passed the "Final Acts of the 1979 World Administrative Radio Conference," but it won't become a formal treaty obligation of the U.S. until President Reagan signs it--which he still hadn't done as of the 15th of January (the W5YI press date).

It seems that the FCC refused to issue a requested commercial callsign, WSEX--for the obvious reason. However, it's been pointed out that not only are many questionable callsigns already out there, "SEX" has already been issued to amateurs. The classic is K8SEX--located in Loveland, Ohio (really!). As Fred Maia (W5YI himself) observes, "I guess SEX is OK for amateurs." No further comment.